

### **Claim Amendments**

Please amend the claims as follows. This listing of claims will replace all prior versions and listing of claims in the application.

1. (Currently Amended) A computer-implemented method for operating on data representing an account, the method comprising:

~~setting an activity date for an activity having an accounting impact;~~

determining, by a computer system, a balance value corresponding to net sum of activity for ~~the~~ an activity date that is set for an activity having an accounting impact using ~~setting an~~ accounting impact date corresponding to latest accounting impact date among all journals affecting the balance value ~~and setting a~~ journal activity date corresponding to latest processing among all journals affecting the balance value;

determining, by the computer system, an as-on value for the account for a given date, wherein the as-on value is an indicator of the balance for the account for the given date without taking into account adjustment values on subsequent processing dates and compensating values from prior processing dates, wherein ~~determining~~ determining the as-on value comprises summing balance values for all dates up to and including the given date using a computer system;

determining, by the computer system, an as-of value for the account for the given date, wherein the as-of value is an indicator of the balance for the account for the given date taking into account adjustment values on subsequent processing dates and compensating values from prior processing dates, wherein determining the as-of value comprises summing balance values, adjustment values corresponding to sum of activity for the activity date to be applied on subsequent processing dates, and compensating values for all dates up to and including the given date corresponding to negative sum of activity for prior processing dates applied on the activity date using a computer system; and

posting, in a database connected to the computer system via a network, an activity record representing account activity, wherein the activity record includes the activity date, the balance value, the accounting impact date, and the journal activity date.

2-3. (Canceled)

4. (Original) The method of claim 1, further comprising setting an adjustment accounting impact date corresponding to latest accounting impact date among all journals affecting the adjustment value.
5. (Original) The method of claim 1, wherein the activity record is posted to a specific period.
- 6-7. (Canceled)
8. (Previously Presented) The method of claim 1, further comprising obtaining latest journal accounting impact date.
9. (Previously Presented) The method of claim 1, further comprising obtaining latest journal activity date.
10. (Previously Presented) The method of claim 1, wherein the as-on value is obtained for a specific period.
- 11-14. (Canceled)
15. (Previously Presented) The method of claim 1, wherein the as-of value is obtained for a specific period.
16. (Original) The method of claim 1, further comprising obtaining total adjustments for the account for a given date by summing adjustment values for all dates up to and including the given date.
17. (Original) The method of claim 1, further comprising obtaining net adjustments for the account for a given date by summing adjustment values and compensating values for all dates up to and including the given date.

18. (Original) The method of claim 1, further comprising archiving activity records according to a retention schedule.

19. (Original) The method of claim 18, wherein archiving comprises creating one or more gap records for assuming values from one or more activity records.

20. (Original) The method of claim 19, wherein archiving comprises merging one or more consecutive gap records.

21. (Original) The method of claim 19, wherein archiving comprises creating a new activity record having an activity date equal to the earliest date in the retention schedule that follows a date of the gap record.

22. (Original) The method of claim 21, wherein the new activity record comprises a balance value of zero.

23. (Original) The method of claim 18, wherein the retention schedule comprises one or more of a required number of days for maintaining activity records, a required number of months for maintaining activity records, and a required number of years for maintaining activity records.

24-38. (Canceled)

39. (Previously Presented) The method of claim 1, wherein the database comprises a position/balance database configured to maintain point-in-time tables for recording adjustments to positions and/or balances.

40. (Previously Presented) The method of claim 39, wherein data regarding all journals is stored in a journal database.